

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Isopropyl Alcohol

Other Identifier: sec-Propyl Alcohol, 2-Propanol, Isopropanol, IPA

Recommended Use: Solvent, cleaner

Supplier: Big Bubble
ABN: 42 719 707 618

Street Address: 18 Elliott Street
Midvale
Western Australia

Telephone Number: +61 08 9274 1992

Poisons Information Centre: 131 126 Australia

2. HAZARDS IDENTIFICATION

Road and Rail; Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS.

Globally Harmonised System

Hazard Classification

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories

Flammable liquids – Category 2
Serious eye damage / irritation – Category 2A
Specific target organ toxicity (Single exposure) – Category 3

Pictogram



Name of pictogram(s) Flame, Exclamation mark

Signal Word Danger

Hazard Statements H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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Precautionary Statement

General	P101 If medical advice is needed, have product or container label at hand. P102 Keep out of reach from children. P103 Read label before use.
Prevention	P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ventilation/lighting equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharge. P261 Avoid breathing mist/vapours/spray. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/eye protection/face protection.
Response	P303 + P361 + P353 IF ON SKIN (or hair): Take off contaminated clothing and wash before reuse. Rinse skin with water/shower. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTRE or doctor/physician if you feel unwell. P337 + P313 If eye irritation persists: Get medical advice/attention. P370 + P378 In case of fire: Use foam/water spray/fog for extinction.
Storage	P403 + P233 + P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool. P405 Store locked up.
Disposal	P501 Dispose of contents/container in accordance with local regulations.
Poisons Schedule:	Not scheduled.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Isopropyl alcohol	67-63-0	≤100%

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Ingestion: IF SWALLOWED: Do NOT induce vomiting. Transport to nearest medical facility. Remove contaminated clothing.

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Eye Contact:	IF IN EYES: Hold eyes open and flood with water for at least 15 minutes. If symptoms persist, transport to nearest medical facility for additional treatment.
Skin Contact:	IF ON SKIN (or hair): Remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If irritation occurs, seek medical advice.
Inhalation:	IF INHALED: Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility. Remove contaminated clothing.
Medical attention and special treatment:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

General	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability Conditions	Highly flammable liquid.
Suitable Extinguishing Media:	Alcohol stable foam, water spray, or fog. Dry chemical powder, carbon dioxide (CO ₂) may be used for small fires only. Do not use water in a jet.
Fire and Explosion Hazards	Highly flammable liquid. The vapour is heavier than air, spreads along the ground and distant ignition is possible.
Hazardous combustion products:	Carbon monoxide and/or carbon dioxide may be evolved.
Precautions for fire fighters and special protective equipment:	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Auto Ignition temperature:	No Data Available
Decomposition Temperature:	No Data Available
Flammability:	No Data Available
Flash Point:	No Data Available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames). Do not touch or walk through spilled material. Avoid breathing vapours and contact with eyes, skin, and clothing.
Protective equipment:	Use personal protective equipment as required (see SECTION 8).

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Emergency procedures:	Spill or leak area should be isolated immediately. Keep unnecessary and unprotected personnel from entering the area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment. Spills can be converted to non-flammable mixtures by dilution with water.
Environmental Precautions:	Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth, or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example, by using fog sprays. Ventilate contaminated area thoroughly.
Methods and materials for Containment and clean up:	Stop leak if safe to do so – Prevent entry into waterways or drains, or confined areas. Absorb with earth, sand, or other non-combustible material and transfer to a suitable container for disposal (see SECTION 13). Use non-sparking tools to collect absorbed material. Wash away remainder with plenty of water.

7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:	Store in a well-ventilated area, away from sunlight, ignition sources, and other sources of heat. Do not store near strong oxidants and strong acids.
Precautions for safe handling:	Highly flammable product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is well-ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not eat, drink, or smoke in contaminated areas. Electrostatic discharge may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia – Isopropyl Alcohol: 938 mg/m ³ (400 ppm) TWA (8 hr), 1230 mg/m ³ (500 ppm) STEL.
Biological Monitoring	No biological limit allocated.
Engineering Controls	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.
Personal Protective Equipment	
Eye and Face	Wear safety goggles.

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Skin	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Respiratory	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS/NZS 1715 & 1716 or an equivalent approved by a state/territory authority.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Colourless, clear
Odour:	Alcoholic
pH:	No data available
Solubility:	Miscible with water
Auto Ignition temperature:	425°C
Decomposition Temperature:	No Data Available
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Flash Point:	12°C (Abel)
Boiling Point:	82 – 83°C
Melting/Freezing Point:	-88°C
Odour Threshold:	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Relative Density:	No Data Available
Upper Flammability Limit	12%
Lower Flammability Limit:	2%
Explosive limits:	No Data Available
Vapour density:	2
Vapour pressure;	4.1 mmHg @ 20°C
Viscosity:	No Data Available
Biopersistence:	No Data Available

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Crystallinity:	No Data Available
Dustiness:	No Data Available
Particle size:	No Data Available
Redox potential:	No Data Available
Release of invisible flammable vapours and gases	No Data Available
Saturated Vapour Concentration	No Data Available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Avoid heat, sparks, open flames, and other ignition sources.
Incompatible materials:	Strong oxidising agents and strong acids.
Hazardous decomposition products:	Burning can produce carbon monoxide and/or carbon dioxide.
Hazardous reactions or Polymerisation:	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	May include nausea, vomiting, and central nervous system depression (as for inhalation).
Eye contact:	May include burning sensation, redness, swelling, and/or blurred vision.
Skin contact:	Not expected to be irritating to skin. Prolonged contact may cause defatting of the skin which can lead to dermatitis.
Inhalation:	Breathing of high vapour concentrations may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of coordination, impaired judgement; continued inhalation may result in unconsciousness and/or death.
Acute Toxicity:	LD50, rat (Inhalation): > 20 mg/L LD50, rat (Oral): > 2,000 mg/kg

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LD50, rabbit (Dermal): 2,000 mg/kg

Carcinogenicity: Not expected to be carcinogenic.

Mutagenicity: Not expected to be mutagenic.

Reproductive: Not expected to impair fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity: LC/EC/IC50 (Algae): >100 mg/L
LC/EC/IC50 (Aquatic invertebrate): >100 mg/L
LC/EC/IC50 (Fish): > 100 mg/L
LC/EC/IC50 (Microorganisms): >100 mg/L

Persistence and degradability: Biodegradable, oxidises rapidly by photochemical reactions in air.

Bioaccumulative potential: Not expected to bioaccumulate significantly.

Mobility: Miscible with water, if product enters soil, it will be highly mobile and may contaminate groundwater.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state and federal regulations.
All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Or refilled at Big Bubble in Midvale.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS.

UN number: 1219
Proper shipping name; Isopropanol
DG Class 3
Packing group II
Hazchem •2YE

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

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UN number: 1219
Proper shipping name; Isopropanol
DG Class 3
Packing group II
Hazchem •2YE

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN number: 1219
Proper shipping name; Isopropanol
DG Class 3
Packing group II
Hazchem •2YE

15. REGULATORY INFORMATION

Poisons Schedule: Not scheduled

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

If swallowed, do NOT induce vomiting.

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

16. OTHER INFORMATION

Revision date: 30/07/2026
Reason for issue: Update SDS

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.